

## REMARKS

This Amendment is submitted in response to the Office Action mailed October 2, 2008. In the Office Action, claims 1-10 are pending: claims 1, 2, 6 and 7 are rejected, and claims 3-5 and 8-10 are objected to. In this Amendment, claims 1, 4, 5, 6, 9, and 10 are amended, and claims 3 and 8 are cancelled. No new matter is added.

### Drawing Objections

Figure 1 and Figure 2 are objected to by the Examiner for lacking the “legend such as – Prior Art” according to MPEP § 608.02(g). A set of correct drawings in compliance with 37 CFR 1.121(d) is submitted in response to the Office Action. Specifically, the legend “Prior Art” has been added to both Figure 1 and Figure 2 along with the label of “Replacement Sheet.” Therefore, Applicants respectfully request reconsideration and withdrawal of the drawing objections.

### Claim Objections

Claim 1 is objected to because of the following informalities: “as to claim 1, line 29, ‘0array’ needs to be replaced by array.” (Office Action, 10/02/2008, Page 2). Applicants have amended claim 1 and respectfully request reconsideration and withdrawal of the claim objections.

### Allowable Subject Matter

Claims 3-5 and 8-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and intervening claims. Applicants appreciate the suggestions of the Examiner and amend the claims accordingly. Please refer to the claim list and the remarks in the section of “35 U.S.C. § 103 Rejections” for details.

### 35 U.S.C. § 103 Rejections

Claims 1, 2, 6 and 7 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the background of the invention further in view of U.S. Patent No. 6,449,466 issued to Jin et al. (hereinafter “Jin”), for the reasons indicated at pages 3-7 of the Office Action.

According to the Examiner’s suggestions in the section of “Allowable Subject Matter,” Applicants have incorporated the feature in claim 3 into independent claim 1 and the feature in claim 8 into independent claim 6. As a result, claims 3 and 8 are cancelled. Therefore, Applicants respectfully submits that independent claims 1 and 6 are patentable over the cited references because the background of the invention in view of Jin does not teach or suggest all of the features of the independent claims 1 and 6. Specifically, the background of the invention in view of Jin fails to teach the feature that “the array linearization means includes non-linear coefficient extraction means for receiving an output signal of the array error compensation means, comparing the output signal and the compensating signal from the frequency down conversion means and extracting the non-linear coefficient, and pre-distortion means for linearizing the error compensated signal from the array error compensation means by multiplexing the extracted non-linear coefficient to the array error compensated signal,” as recited in claim 1. The background of the invention in view of Jin also fails to teach the features of “receiving the error compensated data from the step d), comparing the error compensated data and the frequency down compensated signal and extracting the nonlinear coefficient” and “linearizing the error compensated data from the step d) by multiplexing the extracted non-linear coefficient,” as recited in claim 6.

Given that claims 2, 4, and 5 directly or indirectly depend from the independent claim 1, and claims 7, 9, and 10 directly or indirectly depend from the independent claim 6, it is respectfully submitted that dependent claims 2, 4-5, 7, and 9-10 are patentable over the cited references. Accordingly, Applicants respectfully request reconsideration and withdrawal of the claim rejections.

Applicants respectfully submit that the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call the undersigned at (310) 207-3800.

Please charge any shortages and credit any overages to Deposit Account No. 02-2666. Any necessary extension of time for response not already requested is hereby requested. Please charge any corresponding fee to Deposit Account No. 02-2666.

Respectfully submitted,

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Date:

1/2/09



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